BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Estimate for Construction of Library Building at HMT Layout 1st Block in Ward No. 09, Vidyaranyapura Sub Division.

						Estimate Cost Rs.	2500000.00	
Description of item	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 2-1.1 : Earth work in surface excavation in **Ordinary soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road, drains and trenches of pipes lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m excavated surface levelled and neatly dressed earth to be levelled after breaking of clods and neatly dressed as per specifications specification No KBS 2.1(a) / 2.3.1 **PWD SR 2013-14 Page No. 5 / Item No. 2.1**	Cum							
		1	30.00	22.00	0.30	198.00		
						198.00	124.02	**24556.00**
Basic Rate	117.00							
Area Weightage @ 6%	7.02							
Total	**124.02**							
KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m. In depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specifications. Specification. No. KBS 2.1(b) / 2.3.5 **PWD SR 2013-14 Page Nol. 5/ Item No.2.4**	Cum							
Centreline		1	79.60	0.90	1.05	75.22		
cross wall		1	14.40	0.90	1.05	13.61		
verandah		1	17.50	0.90	1.05	16.54		
Stair case room		1	3.80	0.90	1.05	3.59		
Columns		23	2.20	2.20	1.65	183.68		
compound wall		1	50.00	0.75	0.75	28.13		
						320.76		
Deduction for Columns		23	2.20	0.90	1.05	-47.82		
						272.94	223.66	**61047.00**
Basic Rate	211.00							
Area Weightage @ 6%	12.66							
Total	**223.66**							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix M7.5 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **Page No. 12 / Item No. 4.3 / PWD SR 2013-14**	Cum							
Centreline		1	79.60	0.90	0.15	10.75		
cross wall		1	14.40	0.90	0.15	1.94		
verandah		1	17.50	0.90	0.15	2.36		
Stair case room		1	3.80	0.90	0.15	0.51		
Columns		23	2.00	2.00	0.15	13.80		
For flooring		1	24.30	15.10	0.15	55.04		
		1	8.80	4.50	0.15	5.94		
Allround		2	26.50	0.90	0.10	4.77		
		2	15.50	0.90	0.10	2.79		
						97.91		
Deductions for Columns		23	2.00	0.90	0.15	**-6.21**		
						91.70	4211.38	**386162.00**
Basic Rate	3973.00							
Area Weightage @ 6%	238.38							
Total	**4211.38**							
KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammered dressed in courses not less than 20 cms high, bond stones, at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **PWD SR 2013-14 (Page No. 25 / Item No. 5.6**	Cum							
All round		1	79.60	0.75	0.45	26.87		
		1	79.60	0.60	0.45	21.49		
cross wall		1	14.55	0.75	0.45	4.91		
		1	14.70	0.60	0.45	3.97		
verandah		1	17.65	0.75	0.45	5.96		
		1	17.80	0.60	0.45	4.81		
Stair room		1	3.95	0.75	0.45	1.33		
		1	4.10	0.60	0.45	1.11		
						70.44		
Deduction for Columns		23	2.00	0.75	0.45	-15.53		
		10	0.30	0.40	0.45	-0.54		
		13	0.30	0.30	0.45	-0.53		
						87.03	3484.22	**303236.00**
Basic Rate	3287.00							
Area Weightage @ 6%	197.22							
Total	**3484.22**							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in basement with **cement mortar 1:6**, edges of stone chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification. KBS 5.1.13 **(P.26/I.5.9) PWD SR 2013-14**	Cum							
Centre line		1	79.60	0.45	0.45	16.12		
crosswall		1	14.85	0.45	0.45	3.01		
Verandah		1	17.95	0.45	0.45	3.63		
Stair room		1	4.25	0.45	0.45	0.86		
Steps		1	5.30	0.90	0.20	0.95		
		1	5.30	0.60	0.20	0.64		
		1	5.30	0.30	0.20	0.32		
						25.53		
Dedution For Columns		10	0.30	0.45	0.45	-0.61		
		13	0.30	0.30	0.45	-0.53		
						24.40	4148.84	**101214.00**
Basic Rate	3914.00							
Area Weightage @ 6%	234.84							
Total	**4148.84**							
KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix M 15 with OPC cement @ 300 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.64cum and fine aggregares @ 0.43 cum with superplastisiser @3 ltr confirming to IS 9103-1999Reafirmed - 2009,machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **Page No. 12 / Item No. 4.5 / PWD SR 2013-14**	**cum**							
Centre line		1	79.60	0.45	0.10	3.58		
crosswall		1	14.85	0.45	0.10	0.67		
Verandah		1	17.95	0.45	0.10	0.81		
Stair room		1	4.25	0.45	0.10	0.19		
Allround		2	26.50	0.90	0.10	4.77		
		2	15.50	0.90	0.10	2.79		
						12.81	4065.10	**52071.00**
Basic Rate	3835.00							
Area Weightage @ 6%	230.10							
Total	**4065.10**							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification No. KBS 2.9 **(Page No .6 / Item No. 2.10) PWD SR 2013-14**	Cum							
		Qty Vide Item No. 2				**272.94**	99.64	**27196.00**
Basic Rate	94.00							
Area Weightage @ 6%	5.64							
Total	**99.64**							
KSRB 15.1.3: Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **Page No. 120 / Item No. 15.3 / PWD SR 2013-14**	Sqm							
All round		1	80.40		0.45	36.18		
						36.18	78.44	**2838.00**
Basic Rate	74.00							
Area Weightage @ 6%	4.44							
Total	**78.44**							
KSRB 5.14: **Providing and Constructing precast concrete solid blocks** with compressive strength not less than 35 Kg/smtr with cement mortar 1:4 masonry (quoin, jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S:2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. **Page No. 27 / Item No. 5.27.1 / PWD SR 2013-14**	sqm							
Long Wall		2	24.70		2.70	133.38		
Short Wall		3	15.10		2.70	122.31		
cross wall		1	6.90		2.70	18.63		
cross wall		1	5.00		2.70	13.50		
Stair room		1	8.20		2.70	22.14		
Toilet room		2	2.50		3.00	15.00		
Lift well		1	5.50		5.00	27.50		
Parapet wall		1	79.60		0.80	63.68		
						416.14		
Deduct for Openings Main Door		1	2.00		2.10	4.20		
D1		1	1.20		2.10	2.52		
D2		2	0.90		2.10	3.78		
D3		2	0.75		2.10	3.15		
Windows		23	1.50		1.80	62.10		
Ventilator		2	0.90		0.60	1.08		
Lintel All round		1	79.60		0.15	11.94		
cross wall		1	15.10		0.15	2.27		
cross wall		1	6.90		0.15	1.04		

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
cross wall		1	5.00		0.15	0.75		
Toiltes		2	2.50		0.15	0.75		
lumns		20	0.30		2.70	16.20		
					Total	**93.57**		
						322.57	907.36	**292687.00**
Basic Rate	856.00							
Area Weightage @ 6%	51.36							
Total	**907.36**							
KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall** (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 13 / Item No. 4.11 PWD SR - 2013-14**	Cum							
Column Footings		23	2.00	2.00	0.60	55.20		
columns		10	0.30	0.45	4.80	6.48		
		13	0.30	0.30	4.80	5.62		
Plinth beam		1	79.60	0.30	0.30	7.16		
tie beams		2	24.30	0.30	0.30	4.37		
		3	15.10	0.30	0.30	4.08		
verandah plinth beam		1	9.00	0.30	0.30	0.81		
		3	4.50	0.30	0.30	1.22		
						84.94	5535.32	**470148.00**
Basic Rate	5222.00							
Area Weightage @ 6%	313.32							
Total	**5535.32**							
KSRB 4.2.10 : Providing and laying in position reinforced cement concrete of mix **M20 with OPC cement @ 24kgs**, with 12 mm and down size graded granite metal coarse aggregates @ 0.5175 cum and fine aggregates @ 0.345 cum with superplastisiser @ 0.225lts,machine mixed, well compacted for **plain chajja of 7.5 cms. average thickness,** upto ground floor lever, including cost of all materials, labour, HOM of machinery, curing, complete as per specification. Specification NO. KBS 4.1, 4.6 **Page No. 15 / Item No. 4.19 / PWD SR 2013-14**	Sqm							

Description of item	Unit	No	L	B	D	Qty	Rate	Amount
V		2	1.20	0.60		1.44		
						1.44	405.98	**585.00**
Basic Rate	383.00							
Area Weightage @ 6%	22.98							
Total	**405.98**							
KSRB 4.9.2: Providing **TMT steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 19 / Item No. 4.46.2 PWD SR 2013-14 TMT Bars Fe 550**	Qtl							
For Roof, Columns Beams @ 120 Kg / Cum		1.20	84.94			101.92		
Chajjas @ 70 Kg / Cum		0.70	0.12			0.09		
						102.01	7381.84	**753013.00**
Basic Rate	6964.00							
Area Weightage @ 6%	417.84							
Total	**7381.84**							
Sub Total								**2474753.00**
Add 1% for Third party inspection and quality report								**24748.00**
Miscesalaneous Charges								**499.00**
							Total	**2500000.00**

(Rupees Twenty Five Lakhs Only)

Technical Sanction
No: TS/EE/06/14-15 29/10/14
AE/JE

25.00 Lakhs
Twenty Five Lakhs only

P1771

RTIFICATE

The work spot has been inspected and the work is found necessary.
This estimate is prepared as per PWD SR of 2013-14.
The provisions were made in this estimate are necessary and adequate.
This works come under B.B.M.P. limits.

Assistant Engineer
AE

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE, BYATARAYANAPURA DIVISION

Lead Statement for Srinivaspura Dumping Yard for Ward No. 09, Vidyaranyapura Sub Division.

Lead Distance

1.	From BBMP Sub Division office to Devi Circle	1.50 Kms
2.	From Devi Circle to Thirumala Daba	2.00 Kms
3.	From Thirumala Daba to 3rd Cross SBI Bank	2.00 Kms
4.	From 3rd Cross SBI Bank to Sheshadripuram College	0.50 Kms
5.	From Shesadripuram College to Police Station	0.80 Kms
6.	From Police Station to Kogilu Cross	0.60 Kms
7.	From Kogilu Cross to Srinivasapura	4.00 Kms
8.	From Srinivasapura to Dumping Yard	0.50 Kms
	Total	**11.90 Kms**

Certificate:

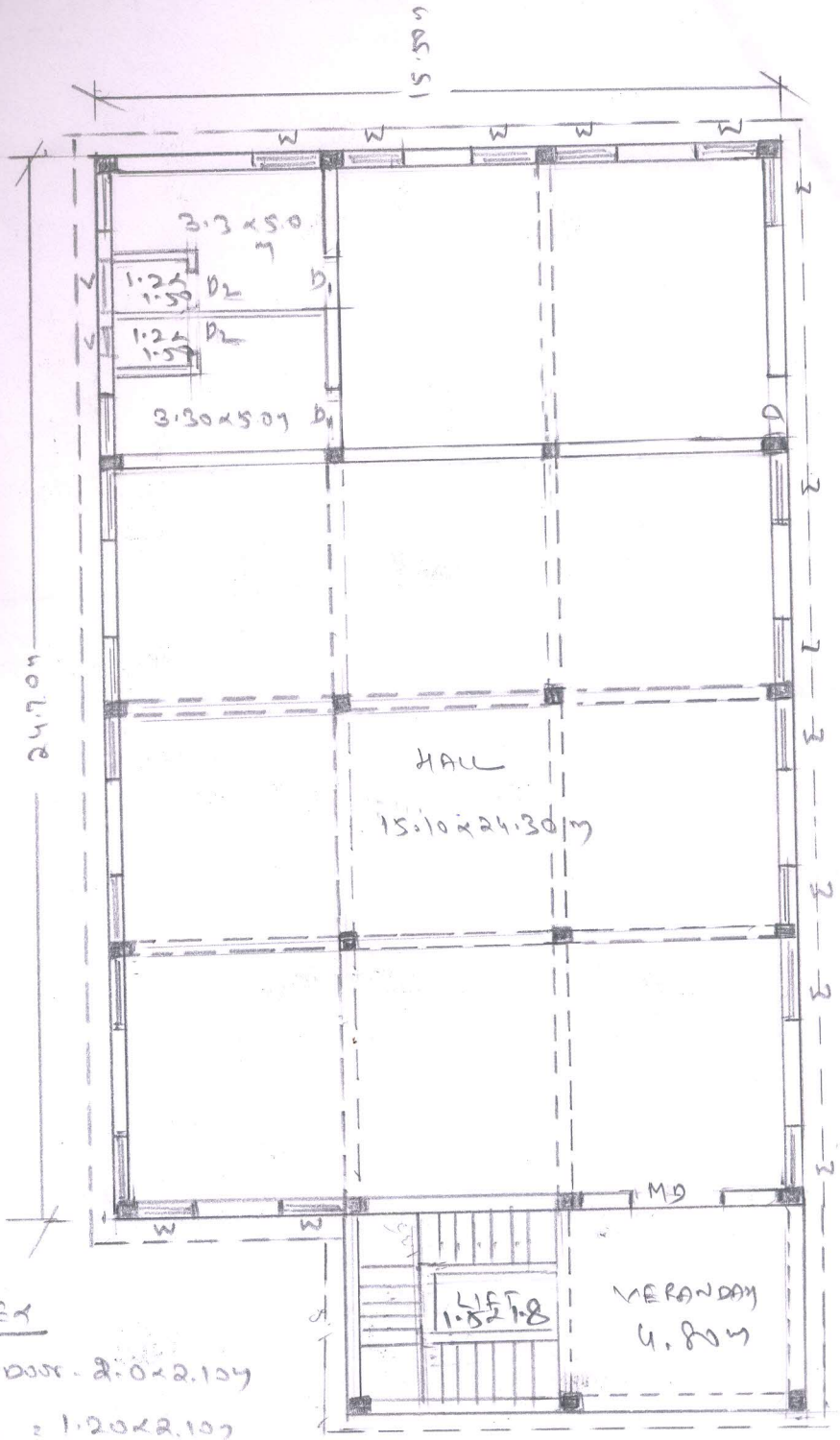
1. Certified that the Srinivasapura Dumping Yard us the approved dumping yard for ward no. 09 BBMP
2. BBMP Sub Division office Vidyaranyapura is taken as the centre place for calculating the lead distance for ward no. 09.
3. The above distance is the shortest distance for calculating the lead.

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Vidyaranyapura Sub Division

Executive Engineer
Byatarayanapura Division

Name of work:- Construction of Library Building at HMT 3rd Block



INDEX

MD = Main door - 2.0×2.10m

D = Door : 1.20×2.10m

b_1 = Door - 0.90×2.10

D_2 = Door : 0.75×2.10m

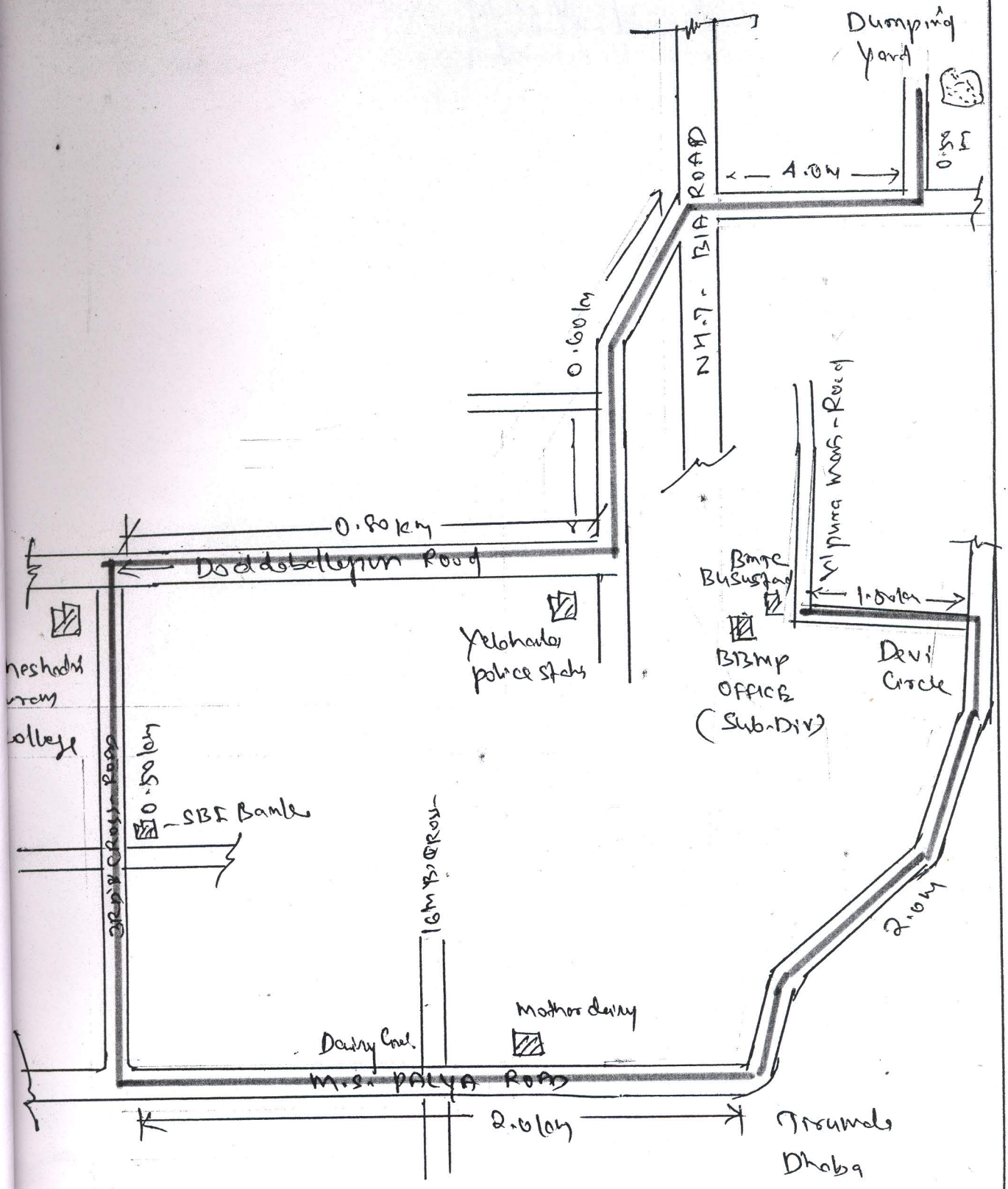
W = Window = 1.50×1.80m

V = ventilator - 0.90×0.60m

PLAN

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ,
ಬೃ ಬೆಂ. ಮ. ಸಾ., ಬೆಂಗಳೂರು-97

LOAD CHART FOR DUMPING YARD FOR WARD NO 09



ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು.
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ.
ಯಲಹಂಕ ವಲಯ.
ಬೃ. ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97